

ABSTRACT OF THE DISCLOSURE

A multilayered, low temperature co-fired ceramic (LTCC) substrate within which one or more capacitors are formed (e.g., for power supply decoupling). Self-resonance is introduced by the capacitance of each capacitor interacting with an inductance formed by the interconnects (e.g., conductive vias and other conductive interconnects among the electrode patterns) which couple such capacitor to its respective circuit electrode and interface electrode (e.g., ground reference).